

Rat Interleukin 16 (IL16) ELISA Kit | IL16 elisa kit

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CATALOG #
AAA149001

REACTIVITY
Rat

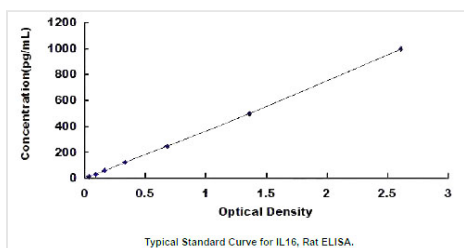
PRODUCT SYNONYMS

Interleukin 16 (IL16); Rat Interleukin 16 (IL16) ELISA Kit; LCF; PrIL-16; Lymphocyte Chemoattractant Factor; Pro-Interleukin 16; IL16 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of IL16. No significant cross-reactivity or interference between IL16 and analogues was observed.
Sequence Length	130
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	5.6pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IL16 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level IL16 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL16 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IL16 in rabbit serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to IL16. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to IL16. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain IL16, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of IL16 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for IL16 elisa kit	Cytokine; Infection immunity; Autoimmunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	2996198
NCBI GeneID	3603
Molecular Weight	141,681 Da
NCBI Official Full Name	interleukin-16
NCBI Official Synonym Full Names	interleukin 16
NCBI Official Symbol	IL16
NCBI Official Synonym Symbols	LCF; NIL16; PRIL16; prIL-16
NCBI Protein Information	pro-interleukin-16
UniProt Protein Name	Pro-interleukin-16
UniProt Gene Name	IL16
UniProt Synonym Gene Names	IL-16; LCF

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/interleukin-16-il16/149001>